

MORSE G. DIAL, PRESIDENT OF UNION CARBIDE AND CARBON Corporation, center, speaks with Jess H. Davis, President of Stevens Institute of Technology, left, and Willis H. Taylor, Jr., chairman of the Stevens Board of Trustees during recent commencement exercises at which President Dial was awarded the honorary degree of Doctor of Engineering.

## Honorary Degree Of Doctor Of Engineering Awarded President Dial Of Union Carbide

At recent commencement exercises of Stevens Institute of Technology in Hoboken, N. J., Morse G. Dial, President of Union Carbide and Carbon Corporation, was awarded the honorary degree of Doctor of Engineering.

In presenting Mr. Dial as a candidate for the degree, Jess H. Davis, President of Stevens, said of him:

"An engineer by education, an administrator by ability, this native of the Middle West has been spectacularly successful in combining both talents by becoming Chief Executive of an industry whose very existence is predicated on technology and constant research.

### President Is Nerve Center

"As President of Union Carbide and Carbon Corporation, he is the nerve center of a giant industrial hand whose five fingers produce unending streams of chemicals, metals, gases, carbon products and plastics, the fundamental building blocks of our technological society. The man who guides and controls so many diverse activities needs more than technical skill and executive ability. In his history we can see evidence of some of these other qualities.

"His spirit of courage and determination became apparent during his college years when he interrupted his engineering education at Cornell to serve, in 1917, as an ensign in the Air Arm of the United States Navy.

### Perseverance Is Demonstrated

"His good sense and perseverance were demonstrated when he resumed his education after the war and went on to receive his degree in Mechanical Engineering.

"His leadership and ambition are amply proven by his rapid rise since joining Union Carbide in 1929, as the sales supervisor for a single product. "His personal qualities of humanity and generosity are obvious to all who know him."

### MORE 'BEAR TALK' SEEN

Newsweek Magazine says that Army insiders at Colorado Springs, Colo., fear Communists may try to make anti-United States propaganda out of troop maneuvers scheduled for Camp Carson and Pike's Peak this autumn. They point out that it has been officially announced that the maneuvers will include drills in chemical, bacteriological and radiological warfare.

## Y-12 Safety Record For First Half Of 1954 Tops Previous Year With Fewer Lost Time Accidents

### Minor Mishaps Show Considerable Increase

Safety-minded Y-12ers made an excellent showing during the first half of the present year in establishing accident-free periods in the plant and a continuance of the same careful work and attention to safety rules and regulations could result in 1954 being a banner year for the organization.

Figures compiled by the Safety Department for the first six months of 1954 show only five lost time accidents as against eight the previous year. In the all-important frequency rate — number of lost time accidents per 1,000,000 man-hours of work — the 1954 mark also was ahead of 1953. The 1954 record was .94 as against 1.79 for 1953. The 1954 accident severity rate was .05 and for 1953 it was .04. The severity rate is the hours of time lost per 1,000 man-hours worked.

Only in number of days of work lost was the 1954 record eclipsed by the mark of the previous year — 255 to 168.

### Three Accidents In May

Of the five lost time accidents listed this year, three came in a short period in May. One occurred in January and one in February, with March, April and June being free of disabling mishaps. In 1953 the eight lost time accidents were distributed over all the first six months, January, February, March and May having one each and two being chalked up in April and June.

So far this year careful Carbide employees in the Y-12 Plant Area have established two Company Safety Periods of more than 1,500,000 hours of operations without a lost time accident. The

Continued on Page 2

### SAFETY SCOREBOARD

The Y-12 Plant Has Operated

61 Days Or

1,776,526 Hours

(Unofficial Estimate)

Without A Lost Time Accident

Through July 11

## More 'Men At Work' Pictures On Page Four

The Y-12 Bulletin this week is continuing the series of pictures of "men at work" in Y-12 started in the June 23 issue of the paper concerning the activities of the Electrical Maintenance Department. The picture layout is on Page Four.

The pictures this week include views of both inside activities of the department whose responsibility is to keep the electricity vital to the operating needs of the plant flowing without interruption through the thousands of wires and other electrical conductors in the plant. The department also handles the upkeep and repair of the varied and complex equipment and machines in Y-12.

More stories and pictures of "men at work" in Y-12 covering other departments in the plant will be published in an early edition of The Y-12 Bulletin telling of more important work done by employees in the field and shops of the plant.

The "men at work" stories are being published in The Bulletin to show all the teamwork necessary for plant operations.

## First Y-12 Swimming Party To Be Staged On Thursday Night, July 22 At Oak Ridge Pool

The first gala Y-12 Swim Party of the summer season is set to be staged at the Oak Ridge Pool, weather permitting, on Thursday night, July 22, beginning at 8 o'clock. Swim parties held previously have been enjoyed to the utmost by both young and old and the Recreation Office hopes this one will not be an exception.

Every Y-12er, his wife and children are invited to attend the affair. Admission will be free, all that is necessary to gain admittance will be the presentation of a Y-12 badge. If the father happens to be working and a badge is not available, arrangements

should be made with the Recreation Office for entrance into the event.

A full night of fun for everyone has been planned with games and contests for the youngsters as well as the adults. A fine bunch of prizes will be given away to the lucky winners in each contest.

Some of the games anticipated for the youngsters will be a greased watermelon race where the winners will devour the remains of the melon. A relay race also will be staged and various other contests will be held to the enjoyment of the participants and spectators.



H. L. GARY, LEFT, AND W. L. MCCORMICK, THE "MAC AND DAD" cartoonist team of Y-12 look over an example of their work just finished and held by McCormick, the artist of the pair. One of Gary's accident prevention verses recently was adopted by the Knox County Safety Council.

## 'Mac And Dad' Safety Cartoonists Of Y-12 Spread Enthusiasm To Knox Safety Council

The "Mac and Dad" safety cartoon and verse men whose works have appeared in The Y-12 Bulletin since last October are spreading their enthusiasm in accident prevention to the newly formed Knox County Safety Council. The team is composed of W. L. McCormick, the "Mac" of the duo; and H. L. Gary, the "Dad" of the organization.

Both are employees in the General Machine Shop and are working together in Bldg. 9204-1.

Gary does the verse and prose writing for the eye-catching safety cartoons drawn by McCormick that have appeared in The Bulletin since last autumn. All of this work has been done absolutely on their own time away from the plant and contributed voluntarily to The Bulletin.

At a recent meeting of the Knox County Safety Council Gary was in the audience listening to speakers tell of the need of combatting accidents in Knox County. On the spur of the moment he wrote out a four-line verse on safety and presented it to the council. The verse read:

"Buy a ticket, save a life.  
Save your children and your wife.

Our success depends on you.  
Safety first will pull you through."

Both Gary and McCormick are residents of Knox County and both are taking an active part in the recruiting drive by the Knox County Safety Council. They intend to interest other Y-12ers living in Knox County in the work of the council.

### Quiz Contest on Slate

A "Quiz Contest" will highlight the adult program. The event will be staged to determine, by guessing, some of the personalities in the plant and Oak Ridge. There also will be some form of a beauty contest. Details of the shindig will be announced later.

All-in-all, everything points to an enjoyable evening for everyone—so come on to the ole' swimming hole and let's take a dip.

A tentative date for August 12 has been set by the Recreation Office for a second swim party if the first one proves successful and the weather man permits.

## University Of Michigan Man To Address Seminar Meet

Paul V. C. Hough, of the University of Michigan, will be the speaker at the meeting of the Oak Ridge Physics Seminar at 3:15 o'clock Friday afternoon, July 16. The session will be held in the auditorium of Bldg. 4500, Oak Ridge National Laboratory. His subject will be "Recent Work On The Stripping Reactions." Y-12 scientific and technical personnel interested in the subject are invited to attend the meeting.



# The Bulletin

Published Weekly By And For  
Y-12 Employees Of  
CARBIDE AND CARBON  
CHEMICALS COMPANY  
A Division Of  
Union Carbide And Carbon  
Corporation  
Post Office Box Y  
Oak Ridge Tenn.

GEORGE W. DOBBS . . . Editor

OFFICE  
Bldg. 9704-2 Room 203  
Telephone 7753

## Y-12 Safety Record Improves In 1954

Continued from Page 1  
most recent, the 12th established since Carbide took over Y-12 operations in 1947, still was continuing over the past week end. Now Picking Individual Awards

Y-12ers now are selecting their individual safety awards for the 11th Carbide Safety Period set up between February 26 to May 5, inclusive, in which 2,129,426 hours of accident-free operations were performed in the period of 70 days.

At this time in 1953, no Carbide Safety Periods had been established. However, later in the year Y-12ers set a record for all Carbide plants by working 3,126,787 hours without a disabling injury for the plant's ninth and tenth periods.

Although the Y-12 Plant Area has been ahead of its 1953 record in lost time accidents—the number of so-called minor accidents that result in no loss of time for employees has shown a considerable increase. The increase in number of employees comes into consideration in reviewing these statistics, but the frequency rate of such mishaps for 1954 still is 482 to only 344 for the previous year. This is an increase of 40 per cent over the 1953 mark.

The minor injuries for the first half of 1954 totaled 2,253 to only 1,540 for the first six months of 1953, an increase of 66 per cent in number.

In citing causes for the lost time accidents for the first six months of each year, the Safety Department report shows that in 1954 the major cause of such accidents was the use of unsafe equipment or unsafe operations. For 1953 the major cause was working at unsafe speed, or taking "short cuts."

## 10 Years Service

Congratulations to the following Y-12 employees who will complete 10 years of Company Service within the next few days—

Clyde H. Drummond, General Machine Shop, July 15.

John F. Colbert, Buildings and Grounds, July 15.

James T. Calhoun, Buildings and Grounds, July 17.

Ruth Jones, Production Analysis, July 17.

Noah L. Ensor, Property, July 17.

Ted S. Higgins, Alloy Division, July 17.

Willis E. Lamb, General Machine Shop, July 17.

Clayton C. Nelson, Field Maintenance, July 18.

James H. Patrick, Field Welding, July 19.

James C. Parker, Product Processing, July 19.

Ernest C. Stinnett, General Machine Shop, July 19.

Earl J. Panter, Research Services, July 19.

Raymond S. Phillippi, Uranium Processing, July 19.

Bessie M. Martin, Laundry, July 21.

Nancy S. Case, Laundry, July 21.



**NEWLY ELECTED MEMBERS OF THE CARBIDE WIVES ARE SHOWN** above, the picture being taken at the home of Mrs. William Penn, extreme right, whose husband is a Y-12er. Others from left are Mesdames W. M. Cabbage, ORNL; J. Keith Lowery, K-25, secretary; L. H. Fuls, ORNL, president; and G. M. Deal, K-25. Absent on vacation when picture was made was Mrs. R. E. Webb, wife of a Y-12er, treasurer of the group.



Here's why husbands should be accompanied on vacations by companions who know their punctuation and sentence structure.

The faithful husband telegraphed his wife: "The scenery is here, wish you were beautiful."

Famous last words, those. On with the news while the grammar class has a closed meeting.

### ALLOY

Romance reigns in the division—E. E. Jenkins took unto himself a bride on Saturday, July 10 as a feature of his vacation. He and the former Miss Idabelle Jenkins, of Loudon, are honeymooning in parts unknown . . . Jodell Oakes returned from her Fourth of July week end wearing a gorgeous diamond ring signifying her engagement to Hugh Boyd, the hometown sweetheart . . . More mundane news is that W. T. Henry is vacationing at some Carolina beach . . . E. V. Kidwell is dividing time between Jacksboro, Tenn., and the Smoky Mountains . . . E. F. Swaney is attending a Methodist camp meeting near Corbin, Ky. . . J. H. Campbell is driving around Texas. . . L. C. Stooksbury is fishing and swimming around Knoxville . . . Vacation hideaways of R. L. Stephenson, W. R. Price and A. R. Rutherford are unknown to deponent . . . Back from vacations are Neal Dow from Atlanta and Oak Ridge . . . Dave Smith from an airplane trip to Washington, D. C., New York State and Pennsylvania points . . . Nell McGinnis from a quiet time at her home in Loudon and Joe Williams from Oak Ridge.

### CHEMICAL

A. H. Norman, of Uranium Processing, is back from a two-week Florida vacation . . . H. D. Baker is another returning vacationer . . . Herbert Treece is working around his farm while vacationing . . . Get-well wishes are extended to B. R. Poston . . . Congratulations to George W. Sharp over the arrival of a brand new daughter on June 25.

Chemical reports E. E. Duncan on vacation.

Product Processing sends get-well wishes to Theira Flood.

### INDUSTRIAL RELATIONS

Clarence Johnson, of Safety, and his wife, Elizabeth, of Laboratory Operations, are back from a Mississippi vacation.

Betty Lou Fraker, of Technical Information, is basking at Daytona Beach.

The Guard Department vacationers for the week are R. C. Ridge, W. B. Davis and A. O. Mitchell.

Condolences were extended by the Fire Prevention and Control lads to L. H. Perry over the death of his mother-in-law in Knoxville June 29.

Betty Whitehorn, of Security, vacationed over in Middle Tennessee last week . . . W. E. Davis is ailing and received get-well wishes last week . . . Mary Bailey

just stayed around home while vacationing . . . Juanita Reed did likewise and entertained her mother from Patterson, N. J.

Cafeteria folks send get-well wishes to John Webber, a patient in St. Mary's Hospital, Knoxville, who was stricken ill on the job last week.

### TECHNICAL

Ted Jones, of Chemical and Industrial Engineering, chose Sweetwater as his vacation spot for the week.

W. A. Cortner dropped over to Nashville for his vacation from Electrical Engineering.

Health Physics reports Roy Roberts vacationing out in Missouri with his family.

Development Division vacationers include Lew Twichell and E. W. Raabe.

E. J. Marcotte, of Civil and Architectural Engineering, was host to his parents while vacationing last week.

We'd like to have some more vacation snapshots from you Y-12ers gadding around the countryside and beaches . . . Don't worry about what you may think of the quality of the print—we can handle the reproduction if the picture is at all capable of reproduction.

### MAINTENANCE

From Planning and Estimating comes word that Helen Sisson vacationed last week in the Smokies . . . Mary E. Owens did likewise in Washington, D. C. . . Gertrude Fox stayed at her mother's cottage on Watts Bar Lake near Rockwood . . . Folks in these parts are glad to hear that Tom McNamara is out of the Oak Ridge Hospital after his latest siege of illness and is recuperating at home.

C. T. Russell, of Salvage, is the proud papa of a boy born July 5.

Alloy Development Maintenance congratulates C. W. Smith over the birth of a daughter born July 6, weighing eight pounds, 14 ounces . . . Sympathy is extended P. G. Perry on the recent death of his father . . . Also to H. L. Barry, whose daughter was ill last week . . . Likewise to M. P. Welch, in the Oak Ridge Hospital . . . K. B. McNabb is another vacationer—honeymooner, being married last Sunday . . . Other vacationers include J. L. Spray in Missouri . . . H. L. Woodard in Nashville . . . G. W. Graham, L. M. Anthony, D. F. Kirby, C. J. Job, J. B. Strickland, E. R. Garrett and W. C. Brewer hither and yonder.

Electrical Maintenance extends condolences to Howard (Kay) Montgomery and his wife over the death of their nine-month-old daughter, Cathy Jean, July 7 at the Oak Ridge Hospital . . . Vacationers include O. C. Collins, G. T. Wilborn, B. E. Reneau, D. G. Porter and H. E. Robinson . . . J. P.

Continued on Page 4



### HALE - CLARK

Marriage vows were exchanged by Miss Elogene Clark, of the Y-12 Personnel Services Department of Y-12, and Robert Louis Hale, an engineering student at the University of Tennessee, at 6 p.m. on Friday, July 2. The ceremony was performed at the First Methodist Church of Oak Ridge with the Rev. Frank Porter, pastor of the Fountain City Methodist Church and former pastor of the Oak Ridge church, officiating.

The bride is the granddaughter of Mr. and Mrs. J. A. Greenway, of Nitro, W. Va. Parents of the groom are Mr. and Mrs. Everett Hale, of Route 3, Clinton, Tenn.

At her wedding Miss Clark wore a blue and white organdy dress and carried a prayer book with a carnation marker.

Miss Betty Lou Hudnall, of the Y-12 Chemical and Industrial Engineering Department, was maid of honor. She wore a pink organdy dress and carried a nosegay of pink carnations.

Acting as best man was Bruce D. Hale, of Clinton, brother of the groom.

The bride is a graduate of the Nitro, W. Va., High School. Hale is a graduate of Oak Ridge High School and now is attending the University of Tennessee after serving four years in the United States Navy.

The couple is living in Oak Ridge.

### HIXON—HARRELL

The wedding of Miss Rhonda Jean Harrell, of the Y-12 Methods Engineering Department, and Roger Swingle Hixon, of Kaighin and Hughes, Inc., construction firm, was solemnized at 7:30 o'clock Saturday night, June 26. The ceremony was performed at the John Sevier Baptist Church in Knox County by the Rev. A. F. Baker, pastor of the church.

The bride is the daughter of Mr. and Mrs. Albert E. Harrell, Sr., of Route 5, Knoxville. The father also is a Y-12er in the Uranium Processing Department. Parents of the groom are Mr. and Mrs. Robert L. Hixon, of Hixon, Tenn.

Special music was presented during the ceremony by Miss Alma Ruth Riddle, soloist, of Hixon, a cousin of the groom; and Mrs. J. A. Lennon, pianist.

Given in marriage by her father, the bride wore a gown of white satin with long pointed sleeves, cape collar and draped peplum embroidered with crystal and pearl beads and a court train with a fingertip veil of silk illusion and a white lace cap. She carried a white Bible topped with gardenias and tuberose.

Mrs. Hugh Floyd, sister of the bride, was maid of honor. She wore a pink lace ballerina length dress and her bouquet was asters tied with an aqua bow.

Other attendants of the bride were Mrs. Sanford Lowry, cousin of the groom, of Chattanooga; and Miss Hazel Harrell, sister of the bride. Flower girls were Misses Kaye and Faye Harrell, twin sisters of the bride.

Robert L. Hixon, father of the groom, acted as best man for his son. Ushers were Harry W. Hixon, Jr., cousin of the groom; and John Brown Hixon, of Atlanta, Ga.

A reception was held at the church immediately following the ceremony.

The bride attended Central High School and Knoxville Business College. The groom attended Baylor School at Chattanooga, the University of Chattanooga and the University of Tennessee.

The couple will live in Oak Ridge.



Mr. and Mrs. Robert L. Hale



Mr. and Mrs. Roger S. Hixon



The following Y-12 employees were patients in the Oak Ridge Hospital last week:

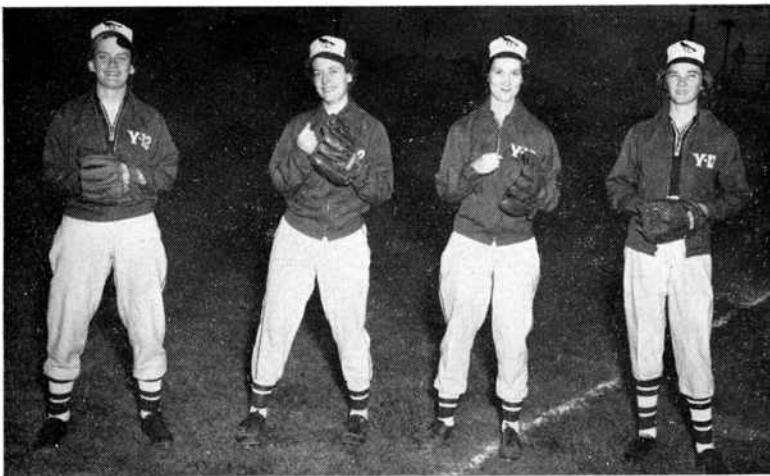
Wright Smith, Field Maintenance; L. V. Driver and James A. Marsh, B Mechanical Operations; Beecher B. Morrow, Chemical; Laura Kennedy, Laundry; Major P. Welch, Beta Four Maintenance; Lloyd A. Tolliver, Alloy Division; Hazel L. Willis, Medical; Clem Jones, Receiving and Shipping; Patricia B. Lankford, Stores; W. A. Byrns, Jr., Production Analysis; A. C. Wampler, General Utilities; Charlie E. Guinn, Janitors.

He teaches who gives and he learns who receives.—Ralph Waldo Emerson.

### DOES ANY Y-12ER KNOW CAROL GRACE CLAPPER? GUARDS HAVE HER PURSE

Mystery shrouds the finding by the Guard Department last Friday morning of a woman's red wallet at the Central Parking Lot. The wallet had some money, a birth certificate and teacher's certificate issued to Carol Grace Clapper, also some pictures. There is no such person on the Y-12 payroll and nobody had claimed the purse over the week end. Guard Chief Miles H. Bradford has asked any Y-12er who might know the owner of the wallet to communicate with the Guard Department at once.





SHOWN ABOVE IS THE INFIELDT OF THE Y-12 ROBINS, THE PLANT'S varsity women's team. From left are Priscilla Savage, third base; Juanita Reed, shortstop; Helen Brown, second base; and Ruby O'Kain, first base.

## Close Play Features Y-12 Golf League

The second half of the Y-12 Plant Golf League is showing close competition as only a few points separate the first five teams. The Gophers managed to cling to first place in the loop last week by splitting 16 points with the Chippers while the second place Rippers took 10 tallies from the Rough Riders. The Hooks clipped the Plugs by 12 to 4 and the Grand Slammers trimmed the Fat Boys by 10 to 6. Bill Reynolds, of the Plugs, shot a 39 for low gross honors and Jack Spears, also of the Rippers, had a low net score of 34.

League standing follows:

Team	W	L
Gophers	51	29
Rippers	48	32
Grand Slammers	47	33
Rough Riders	42	38
Chippers	42	38
Hooks	33	47
Plugs	31	49
Fat Boys	26	54

## Y-12 Orioles Lose To O.R. Hospital

The Y-12 Orioles in the Oak Ridge City Slo Pitch League went down in defeat last week before the Oak Ridge Hospital men by 12 to 2 in a hard-played tussle.

The Orioles are scheduled to play the Jewish Congregation tonight, Wednesday, July 14, at 6 o'clock at Midtown No. 1 Park.

Manager Andy Anderson is in need of a few players for the slo pitch outfit. Any Y-12 male employee interested in joining the Orioles may communicate with the Recreation Office, Bldg. 9704-2, telephone 7753 or W. C. Anderson, Bldg. 9720-6, telephone 7691.

## SUB OPERATING COST HIGH

Danton Walker, writing in the New York News, observes that it will cost the Navy more than \$1 per kilowatt hour to generate electricity for its atomic submarine compared to less than one cent per k.w.h. for household electricity.

## Cards Keep Record Intact

### Robins Lose Three Tough Decisions

The Y-12 Cardinals kept their Knox-Ridge League mark intact last week with a win over Watson Furniture Co. last Friday by 5 to 2, but lost a squeaker to the East Tennessee Automobile Association team of Chattanooga in that city Saturday night by 4 to 3. Meanwhile the distaff Robins lost three in a row, to Corryton 5 to 4 and a double header to the state championship Ragland-Potter lassies of Nashville there Sunday by 2 to 0 and 3 to 2.

The Cards have a three game home schedule coming up. The slate follows:

Friday, July 16 — 7:30 p.m., Mascot at Oak Ridge. Monday, July 19 — 9 p.m., Oak Ridge National Laboratory at Oak Ridge. Friday, July 23 — 7:30 p.m., Bell Ave. at Oak Ridge.

Scheduled games for the Robins during the next few days follows:

Tuesday, July 20 — 9 p.m., K-25 at Oak Ridge. Friday, July 23 — 7:30 p.m., Corryton at Corryton. Tuesday, July 27 — 7:30 p.m., Vestal at Oak Ridge.

Rapid Robert Loy was the star of the Cards in both of their games. Against Watson he limited the Knox team to two hits and whacked a homer in the fifth with two on for the edge. In the Chattanooga game he allowed but three bingles, but they were bunched in the first for the margin of victory. Loy also stroked a homer in this game against the 'Noogans, who have the pick of the old Peerless and Wrecker teams of last season. Ernie Collins, long one of the state's leading softball hurlers, was the winning hurler.

The Robins had tough luck in each of their close losses. Against Corryton, the Y-12 defense faltered and in the Nashville games the Robins couldn't hit. Veteran hurler Ella Mae Koontz pitched all three games and apparently got better as time marched on, giving the state champions only one hit in losing the second game at Nashville.

Line scores follow:

Team	R	H	E
Cardinals	010	130	0—5 7 0
Watson	000	002	0—2 2 3
Loy and Seivers. Hawkins and Brummett.			
Cardinals	101	001	0—3 4 0
Chattanooga	310	000	x—4 3 0
Loy and Seivers. Collins and Collins.			
Corryton	400	001	0—5 6 2
Robins	040	000	0—4 1 6
Edwards and Clapp. Koontz and Roberts.			
Robins	000	000	0—0 2 1
Nashville	002	000	x—2 3 2
Koontz and Roberts. Barnes and Allen.			
Robins	001	01	—2 3 3
Nashville	012	0x	—3 1 3
Koontz and Roberts. Barnes and Allen.			
(Five innings by agreement.)			



BRUCE A. MURR, OF THE Y-12 General Machine Shop, proudly displays a nice and fat smallmouth bass he caught recently in Watts Bar Lake, operating from the Blue Spring dock. He used a spinning gear and a doll fly to lure the lunker from his lair. The fish is entered in the Y-12 Annual Fishing Contest and will be a strong contender for honors.

## Y-12 Woodpeckers Lose In City Loop

The Y-12 Woodpeckers, in the Oak Ridge Class "B" Softball League, dropped a hard-fought decision to the First Baptist softballers by 12 to 7 last week at Midtown No. 1 Field. The Y-12ers got eight hits but were not able to bunch them to produce runs.

The Woodpeckers are scheduled to face AECEA at 6 o'clock tomorrow night, Thursday, July 15.

Line score follows:

Team	R	H	E
Woodpeckers	110	14x	x—7 8 3
First Baptist	602	4xx	x—12 9 1
Stanton, Sise and Hopkins. Poston and Adams.			

## Rides Wanted, Offered

**Riders Wanted Or Will Join Car Pool**—From Maryville, A Shift. A. L. Tilley, plant telephone 7515.

**Rider Wanted**—From East Village to East Portal, straight day. Eleanor Downing, plant telephone 7378.

**Riders Wanted Or Will Join Car Pool** — From Woodfield Place, Southeast Knoxville, to East Portal, straight day. C. L. Newcomb, plant telephone 7497, home telephone 5-0597, Knoxville.

**Want Ride or Will Join Car Pool** — From West Knoxville, straight day. Sarah Green Williams, plant telephone 7633.

**Ride Wanted or Will Join Car Pool**—From Fountain City to East Portal, straight day. S. H. Tillery, plant telephone 7194, home telephone 6-4707, Knoxville.

## Y-12 SPORTS

### 49ers Edge Bombers For First Half Title In Plant League

Aided by homers slammed by Bill Butturini and Tally Livingston, the 49ers trounced the Bombers by the score of 5 to 4 for the first half championship of the Y-12 Plant Softball League. The two teams were tied at the end of the first half schedule and the playoff tilt was staged last Friday night at Pinewood.

The Bombers rapped veteran Ed Sise for nine hits to only six for the victors off Hatmaker, but the cagey winner shut the door in the pinches, retiring the final batter with men and second and third with two out, after one run had tallied.

The game was extremely well played by both sides, only one error being chalked up.

Score by innings:

Team	R	H	E
49ers	000	041	0—5 6 1
Bombers	001	020	1—4 9 0
Sise and Dodson. Hatmaker and Shotts.			

## Golf Tournament Set At Holston Hills

The third Y-12 Week-End Golf Tournament of the current season is scheduled to be held at the Holston Hills Golf and Country Club in Knoxville, on Saturday, July 31. All golfers in Y-12 are invited to participate in the tourney. The only charge to enter will be payment of individual greens fee.

The previous two tournaments have been highly successful with good participation from golfers throughout the plant. The Recreation Office is hoping the tourney at Holston will exceed all records.

## Varsity Golfers Take Loop Win

The Y-12 varsity golf team kept up its winning ways in the Smoky Mountain Golf League last Saturday by trouncing the TVA outfit by 18 to 6. The match was played at Oak Ridge. The Y-12ers are slated to meet K-25 in the next loop tussle for both teams.

## MOTORS SAID RED TARGETS

Writing in the Washington Times-Herald Victor Riesel cites constant Federal Bureau of Investigation efforts to prevent infiltration into atomic bomb installations, but observed that the actual "prime target" of the Communists is the automobile industry.

## Bombers Roll In Plant Loop

### Circuit Leaders Win Three Straight Games

Manager Colleen Shotts and the "B" Shift Bombers rolled into first place in the Y-12 Plant Softball League last week by posting three consecutive victories. Gib Hatmaker hurled the league leaders to two wins, the first over the Engineers by 9 to 5 and the second over the Steamers by 18 to 9. Scott paced the hitting against the Engineers by slamming a pair of triples while Forseman led the losers with three singles. Grubb and Castleberry clouted two hits each for the Bombers in the game with the hard fighting Steamers. Garrett led the losers in this tussle with three bingles. One of the better games of the week involved the Bombers and Guards. The score was 8 to 7 at the end of the sixth inning with the Bombers leading but the winners poured on the coal in the seventh frame to score four runs and win going away. Stuart, Shotts and Rains whacked homers for the Bombers while Halcombe, Guards outfielder, led his team with two hits.

### ADP Nips Maintenance

ADP claimed a win over Maintenance by 26 to 15 in a slugfest. Runs came cheap as ADP scored 12 tallies in the first frame and moved in with an easy victory. Clyde Hopkins slammed a long four-master for the winners. Krog led the losers at the dish by collecting three singles.

The last game of the week was won by the Steamers over the Engineers by 19 to 2 as Ed Spradling pitched a four hitter for the winners. Jack Simmons led the Steamers with three for three.

Schedule for the week of July 19 follows:

Monday, July 19 — 6:15 p.m., ADP vs Guards. 7:45 p.m., Steamers vs 49ers.

Tuesday, July 20 — 6:15 p.m., 49ers vs Guards. 7:45 p.m., Bombers vs ADP.

Wednesday, July 21 — 6:15 p.m., Engineers vs Maintenance. 7:45 p.m., 49ers vs ADP.

Thursday, July 22 — 6:15 p.m., Engineers vs Bombers. 7:45 p.m., Maintenance vs Guards.

Line scores and league standing follows:

Team	R	H	E
ADP	1210	211x	x—26 18 1
Maintenance	600	09x	x—15 12 2
Hillard and Lambdin. Farris and Krog.			

Bombers	020	102	4—9 10 3
Engineers	001	020	2—5 8 1
Hatmaker and Shotts. Foresman and Barnes.			

Bombers	230	760	x—18 4 1
Steamers	110	340	x—9 8 4
Hatmaker and Shotts. Hart and Simmons.			

Steamers	130	96x	x—19 11 2
Engineers	200	00x	x—2 4 6
Spradling and Simmons. Forseman and Wolfe.			

Bombers	501	110	4—12 12 3
Guards	300	400	0—7 7 2
Rain and Shotts. Burnett and Haggard.			

Team	W	L
Bombers	3	0
49ers	1	0
ADP	2	1
Steamers	2	2
Maintenance	1	2
Guards	1	3
Engineers	1	3

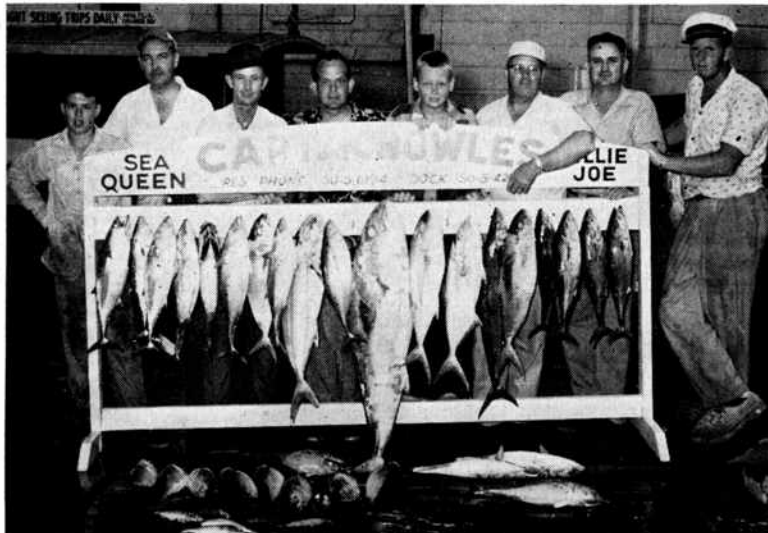
## A-POWER GROWTH SEEN

A. C. Monteith, president of Westinghouse Electric Co., has predicted 2,000,000 kilowatt production of atomic power in 10 years with a total potential of 170,000,000 kw., according to Chemical and Engineering News. He feels development of atomic power as the most promising way to close gaps between limited energy reserves and growing energy requirements.

Little minds are tamed and subdued by misfortune, but great minds rise above it.—Washington Irving.



A BULLY ON THE LAND  
IS A BULLY ON THE SEA  
SAFETY, HE DOESN'T UNDERSTAND  
AND A FOOL HE'LL ALWAYS BE.  
MAC AND DAD



C. C. "JERRY" EVANS, OF THE Y-12 GUARD DEPARTMENT FROM Lenoir City, third from right above, was in the party of Panama City, Fla., fishermen that came back with a big haul after a Gulf of Mexico fishing party. None of the others are Y-12ers. The big catch was the amberjack, center, weighing about 60 pounds. Other fish included bonita and a few king mackerel.



# CARBIDE AND CARBON CHEMICALS COMPANY

A Division of

Union Carbide And Carbon Corporation

Post Office Box Y  
Oak Ridge, Tenn.

(RETURN POSTAGE GUARANTEED)

Sec. 34.66 P.L.&R.  
U. S. Postage

PAID

Oak Ridge, Tenn.  
Permit No. 3

Continued from Page 2

**Powers** moved his family to Oak Ridge from Memphis last week ... **L. R. Fisher** is recuperating from an operation on his wrist and get-well wishes are extended to him.

**C. W. Shook**, of Field Maintenance, is sunning at Daytona Beach this week ... Other Florida visitors are **Bruce Harrington** and **George Riddle** ... **W. R. Parnell** went to Arkansas and **H. J. Finger** to Texas.

## MANUFACTURING OFFICE

**Barbara Shuler**, of the Travel Office, was ill last week and received get-well wishes.

The Timekeeping Office welcomes **Glen Kendred** back after an illness and hopes **W. E. Gallaher's** illness is not serious.

Property Sales reports **Floyd McClure**, **Glen Slack**, **John McNelly** and **H. B. Borum** vacationers last week ... Congratulations were dished out to **Ulis Htamaker**, whose daughter was born July 8 ... A vacationer this week is **R. V. Brackney** at Hollywood, Fla.

## MECHANICAL OPERATIONS

**Mary Cusman**, of the Mechanical Operations Division, vacationed last week at her home in Ashtabula, Ohio ... **Mavis Koons** and her husband, **Elmore**, of Field Maintenance, motored to St. Louis over the holiday week end.

**Richard Dew**, of Mechanical Training, went to Myrtle Beach and Asheville, N. C., while vacationing ... **W. D. Cunningham** stayed closer to home in Oak Ridge.

The General Machine Shop increased the Daytona Beach Y-12 colony last week with **I. O. Keller** and **E. A. Fritts** ... **C. P. McLe-more** also is in the Sunshine State doing some fishing ... Another seashore visitor is **C. J. Ward** at Virginia Beach ... Others in distant spots include **J. W. Young** at Davenport, Iowa ... **J. R. Belew** in Birmingham ... **E. G. Vann** visiting his father in Kentucky ... **Earl Wood** in Charlotte, N. C. ... Places in Tennessee attracted **E. B. Oglesby** at home in Sevierville ... **Hall Trivett** at a cabin on Cherokee Lake ... **C. H. Ford** and **Ray Proffitt** at Del Rio ... **C. C. German** at Livingston ... **W. H. Donahue** in the Smokies around Pittman Center ... **D. D. Woods** likewise in the mountains and **A. J. Crawford** at his Knoxville home ... **H. H. Pratt** is visiting numerous fishing spots in the neighborhood ... Get-well wishes go to **J. C. Maples**, who is ailing.

## Rickover Predicts Growth Of Trade Aiding Atoms

Adm. H. G. Rickover, former Oak Ridger who is directing the construction of nuclear submarines and heading government-financed project to build the first peacetime atomic power station, has forecast that a vast industry growing up to harness atoms could be expected to spread through the American economy. The International News Service, in an interview with the admiral, says the officer noted that

## National Carbon Co. Names Vice Presidents

Arthur C. Bryan has been appointed Vice-President and General Manager of Consumer Products and William H. Feathers, Vice-President and General Manager of Industrial Products of National Carbon Company, a Division of Union Carbide and Carbon Corporation, according to an announcement by A. S. Johnson, National Carbon's President. Walter A. Steiner has been appointed Vice-President in charge of Development.

Bryan has been with National Carbon in sales activities since 1935. In 1949 he was promoted to General Sales Manager, and in 1952 Vice-President in charge of Sales. He was graduate from the University of Nebraska with a B.S. degree in Electrical Engineering.

Feathers came with National Carbon on graduation from Virginia Polytechnic Institute with a B.S. in Chemical Engineering in 1937. He joined the Company at Niagara Falls. He became Assistant Superintendent of the Columbia, Tenn., Plant in 1943. In 1949 he was made General Superintendent of the three Niagara Plants of National Carbon. Feathers was transferred to Cleveland as Assistant to Vice-President in charge of Production in 1952 on his return from a year at M.I.T. under a Sloan Fellowship.

Steiner was graduated from Polytechnicum Mittweida in Mittweida, Germany in 1924 with an M.E. in Mechanical Engineering and was hired by the National Carbon Company that same year. In 1953 he was made General Product Manager over all the Company products.

## Carbide Wives Set Monthly Card Party Next Wednesday

The monthly card party and meeting of the Carbide Wives will be held at 7:30 o'clock next Wednesday night, July 21. Bridge, canasta and bingo will be played and refreshments served. Decorations for the occasion will be appropriate to the month of July.

Mrs. W. M. Cabbage will be the executive board member in charge of the party. Hostesses will include Mesdames B. B. Thornton, whose husband is a Y-12er; Frank Buckalew, P. T. Farley, Sue G. Wilson, C. W. Smith and Harvey Kitchens. All wives of Carbide employees are invited to attend the affair.

a survey has revealed that products were purchased from 8,000 different firms in the course of building the power plant for the first atomic-powered submarine, the Nautilus. He suggested that reports of the survey provide the best data to show why atomic power requires a huge industrial "back-up" and is beyond reach of small and non-industrial countries unless they receive outside help.

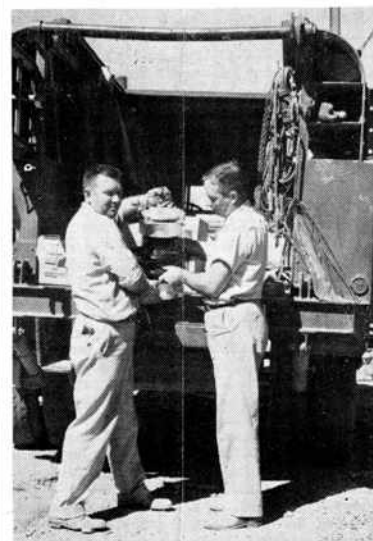
Speeding on United States streets and highways injured nearly 700,000 men, women and children.



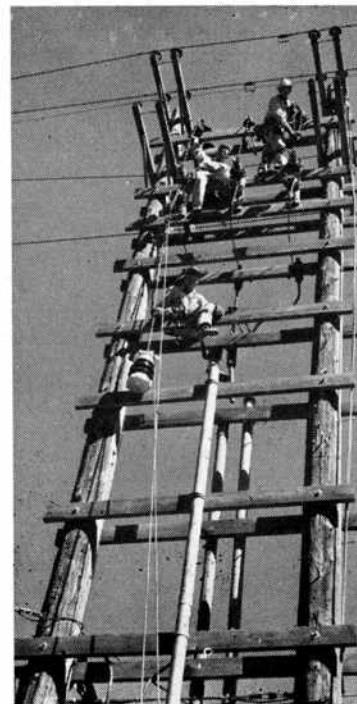
AT LEFT, D. M. COX AND M. GETSI, OF ELECTRICAL MAINTENANCE, ARE DISMANTLING A BIG 250-horsepower motor preparatory to repairing it. In contrast, at right is F. B. Parrott working on one of the smallest motors utilized in plant operations.



MOTORS, MOTORS AND MORE MOTORS—OF ALL SIZES AND descriptions, are shown here stored in Bldg. 9737 ready for service whenever needed for Y-12 operations. F. L. Turnbull and F. T. Lee are preparing to move one of the motors out for overhaul by Electrical Maintenance.



ACCOMPANYING THE FIELD operations of Electrical Maintenance is the line truck, carrying equipment and supplies. From left are W. H. Pool and H. H. Buckner unloading a lightning arrester, which was placed on a high tension line shown in the picture just to the right in this layout. The big red truck carries a vast variety of equipment and tools to cope with varied types of conditions and jobs to be done throughout Y-12 Plant Area to keep vital power flowing to machines and equipment.



LINEMEN OF ELECTRICAL MAINTENANCE are shown above working high in the air hoisting a lightning arrester, seen at middle left of the picture, to install in a high tension line circuit. In the picture are M. C. Gore, D. G. Porter and F. A. Dodd.



A FIELD JOB FOR ELECTRICAL Maintenance is keeping the many transformers in the Y-12 Plant Area functioning. Here W. S. Miller, right, line foreman, directs some repair operations by M. C. Gore, H. H. Buckner and W. S. Arnold.



INSTALLING A HIGH TENSION cable used to carry power to main buildings in the Y-12 Plant Area is the group shown above. Note the size of the lead-covered cable, larger around than a man's arm and capable of carrying 13,000 volts. In the picture are W. B. Smith, H. W. Montgomery, J. W. Rule, A. E. Norris, C. J. Loveday and A. D. Casey, all of the Y-12 Plant Electrical Maintenance Department.

## Field Of Propulsion Seen Biggest For Atomic Future

In an interview with Brig. Gen. Thomas R. Phillips, U.S.A., retired, the St. Louis Post Dispatch says that the officer suggests that it is in the field of propulsion rather than warfare that the atomic age will revolutionize the Navy. He sees the prospect of aircraft carriers with speeds of 60 miles per hour. However, he concludes that if Russia develops nuclear

propulsion for ships, the United States will lose more than is gained because the Soviet Union has little shipping as targets for submarines and few harbors at which to fire atomic torpedoes, while the United States is dependent on ships and harbors.

## BRITISH PLANNING BLASTS

Britain plans to explode its first hydrogen bomb in October or November of this year off the northwest coast of Australia, according to the New York Journal-American.

